

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-49. (Cancelled)

50. (Currently Amended) A wettability changing layer comprising a wettability changing material, wherein:

the layer has a thickness of 100 to 1,000 angstroms;

~~the layer is conductive;~~

the layer is capable of charge-injection and/or charge-transfer; and

wettability of the layer changes when light energy is applied to the layer.

51. (Cancelled)

52. (Previously Presented) The layer according to claim 50, further comprising a photocatalyst.

53. (Previously Presented) The layer according to claim 52, wherein the photocatalyst is titanium dioxide.

54. (Previously Presented) The layer according to claim 50, further comprising a binder comprising an organopolysiloxane.

55. (Previously Presented) The layer according to claim 50, further comprising a binder obtained by crosslinking a reactive silicone.

56. (Previously Presented) The layer according to claim 50, further comprising a binder comprising fluoroalkyl groups.

57-62. (Cancelled)

63. (Currently Amended) The layer according to claim 50, further comprising a metal salt ~~capable of facilitating charge injection and/or charge transfer.~~

64. (Cancelled)

65. (Previously Presented) The layer according to claim 50, wherein the metal salt selected from the group consisting of FeCl_2 , FeCl_3 , $\text{Cr}(\text{NO}_3)_3$, CrCl_3 , NaNO_3 , $\text{Ca}(\text{NO}_3)_2$, $\text{Sr}(\text{NO}_3)_2$, $\text{Co}(\text{NO}_3)_2$, CoCl_2 , $\text{Cd}(\text{NO}_3)_2$, $\text{Mg}(\text{NO}_3)_2$, $\text{Cu}(\text{CH}_3\text{COO})_2$, $\text{Cu}(\text{NO}_3)_2$, $\text{Ni}(\text{NO}_3)_2$, $\text{Mn}(\text{NO}_3)_2$, MnCl_2 , PbNO_3 , RuCl_3 , IrCl_4 , $\text{Ir}(\text{NO}_3)_3$, ScCl_3 , $\text{Sc}(\text{NO}_3)_3$, H_2PtCl_6 , RhCl_3 , $\text{Tb}(\text{NO}_3)_3$, $\text{Pr}(\text{NO}_3)_3$, $\text{Dy}(\text{NO}_3)_3$, $\text{Sm}(\text{NO}_3)_3$, $\text{Ga}(\text{NO}_3)_3$, $\text{Gb}(\text{NO}_3)_3$, $\text{Yb}(\text{NO}_3)_3$, NbCl_5 , ZrCl_4 , $\text{Zr}(\text{NO}_3)_2$, KNO_3 , LiNO_3 , HAsCl_4 , $\text{Pd}(\text{NO}_3)_2$, $\text{Eu}(\text{NO}_3)_2$, $\text{Nd}(\text{NO}_3)_2$, NiCl_3 , $\text{Ce}(\text{NO}_3)_3$, CsNO_3 , $\text{Er}(\text{NO}_3)_3$, $\text{Ba}(\text{NO}_3)_2$, $\text{La}(\text{NO}_3)_3$, AgCl , $\text{CH}_3\text{CH}(\text{OH})\text{COOAg}$, AgNO_3 , TlNO_3 , $\text{Y}(\text{NO}_3)_3$, $\text{Pb}(\text{NO}_3)_2$, $\text{Ho}(\text{NO}_3)_3$, $\text{Bi}(\text{NO}_3)_3$ and mixtures thereof.

66-67. (Cancelled)